

Observed Plasmaspheric Ion Densities and Temperatures

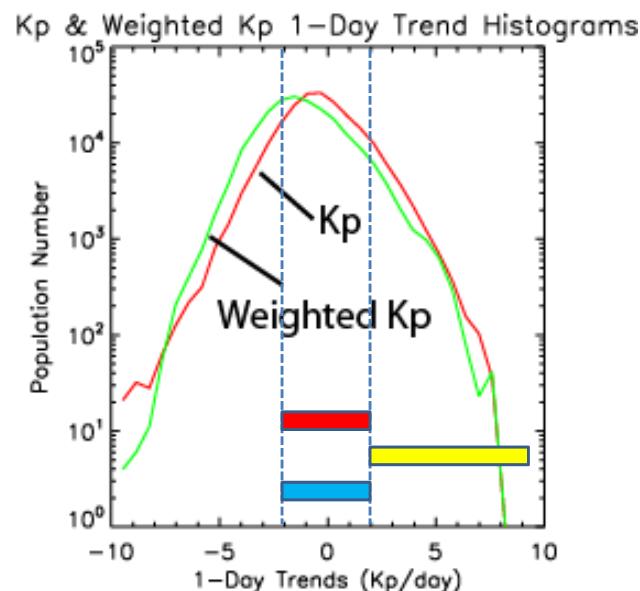
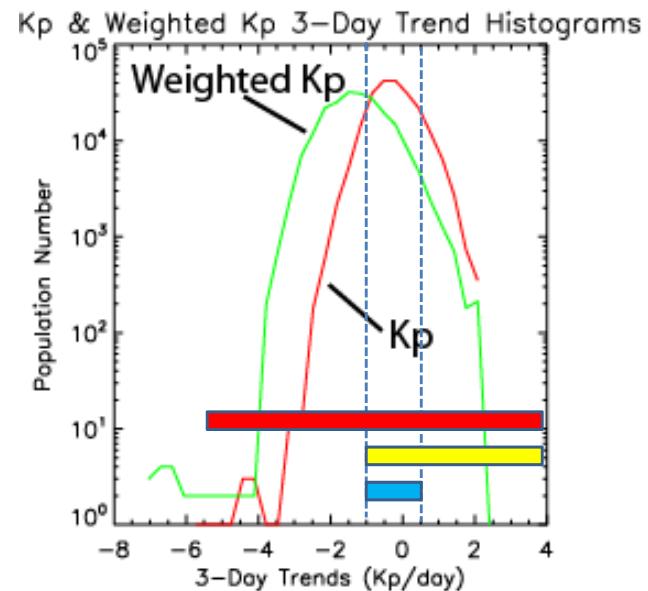
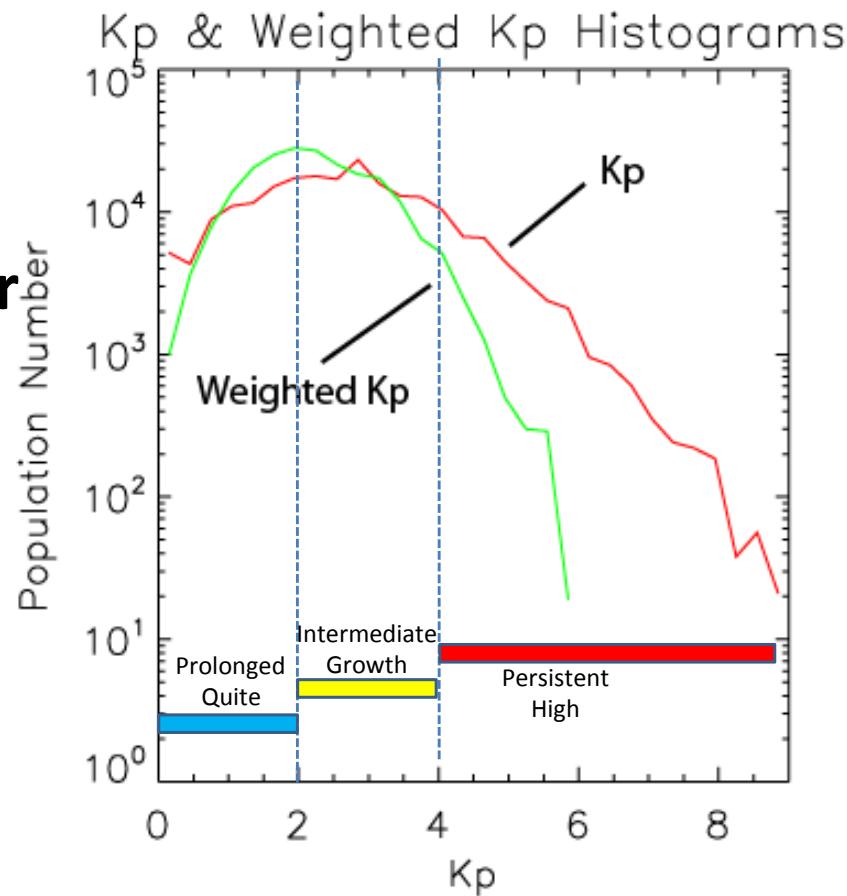
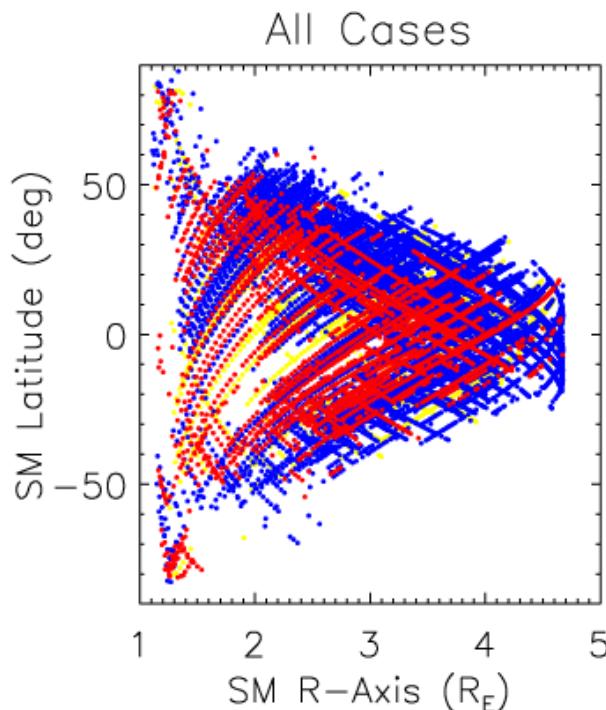
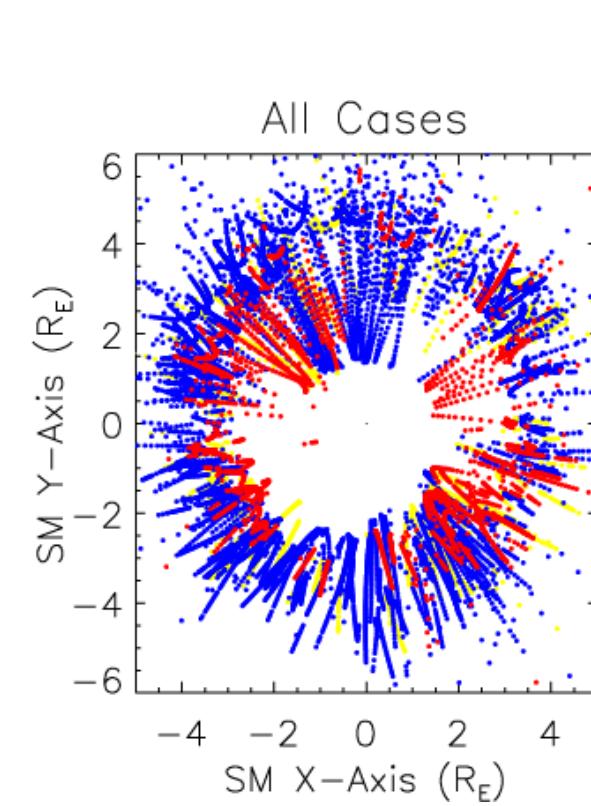
D.L. Gallagher, P.D. Craven, H.
Comfort

Retarding Ion Mass Spectrometer

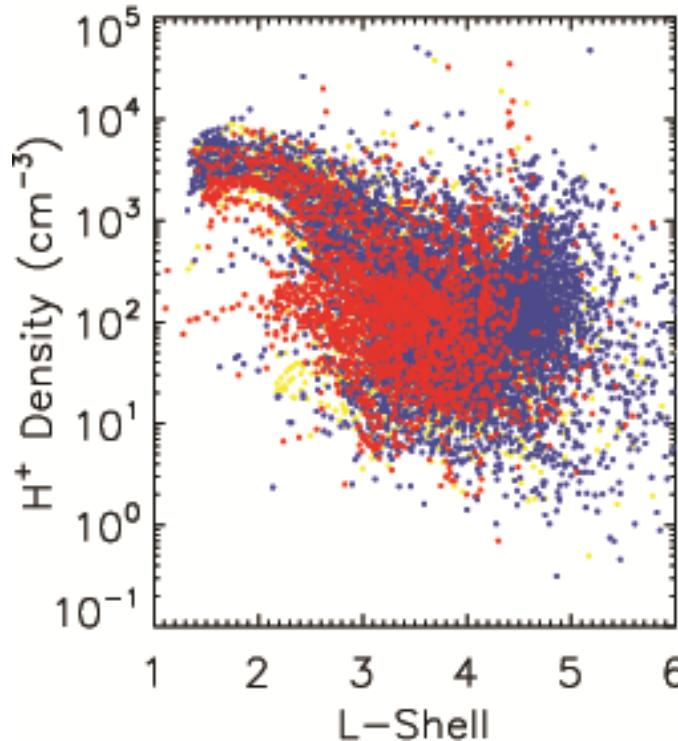
1981-1984

Weighted Kp

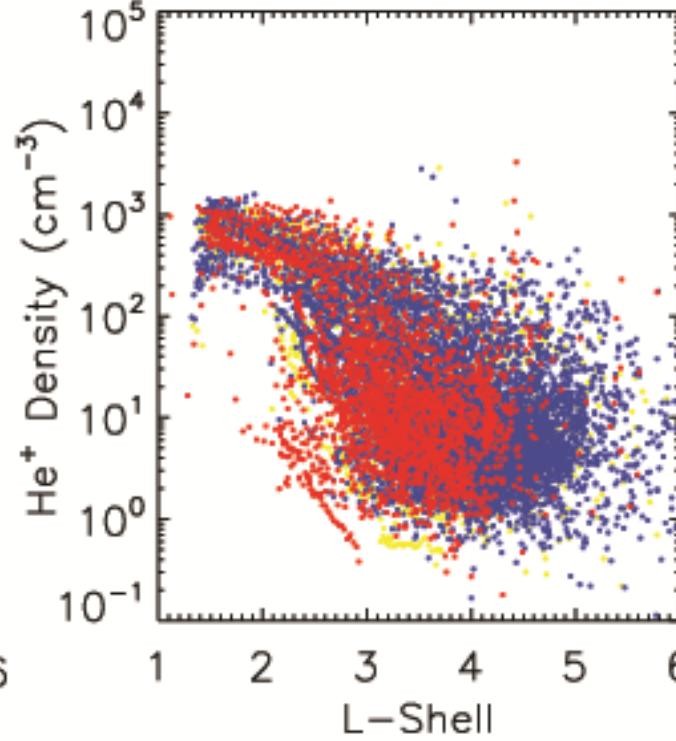
$$\frac{\sum_{t=-5}^0 Kp \cdot e^{t_{days}/1.5}}{\sum_{t=-5}^0 e^{t_{days}/1.5}}$$



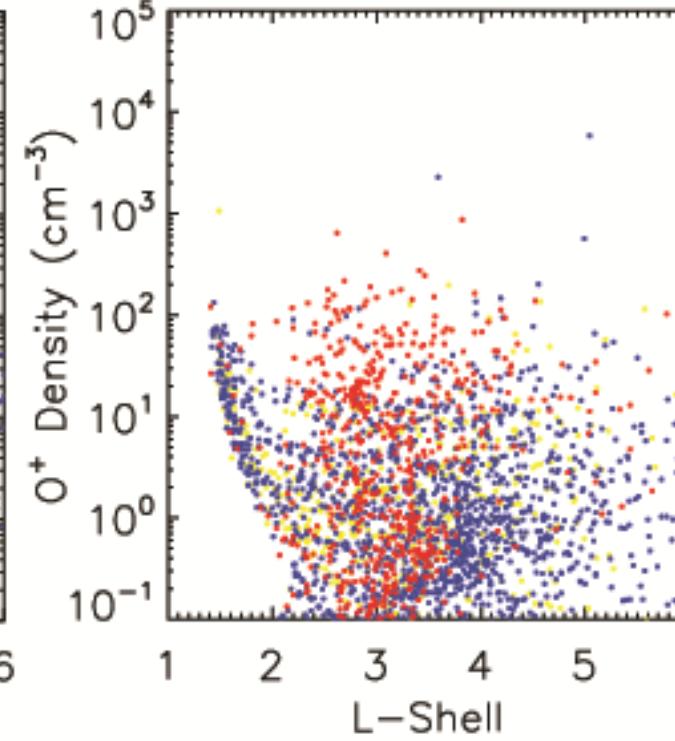
All Cases



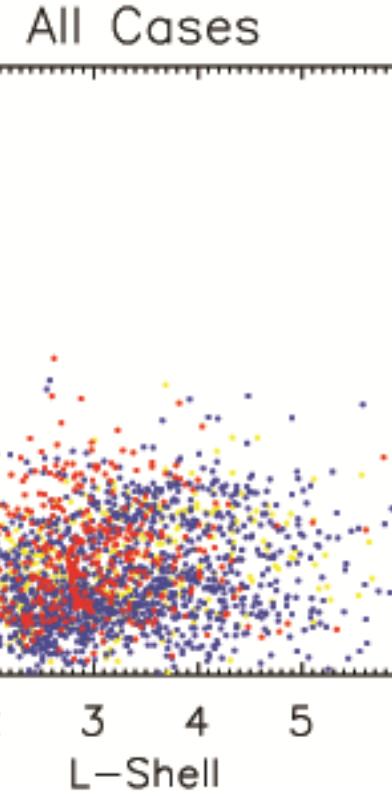
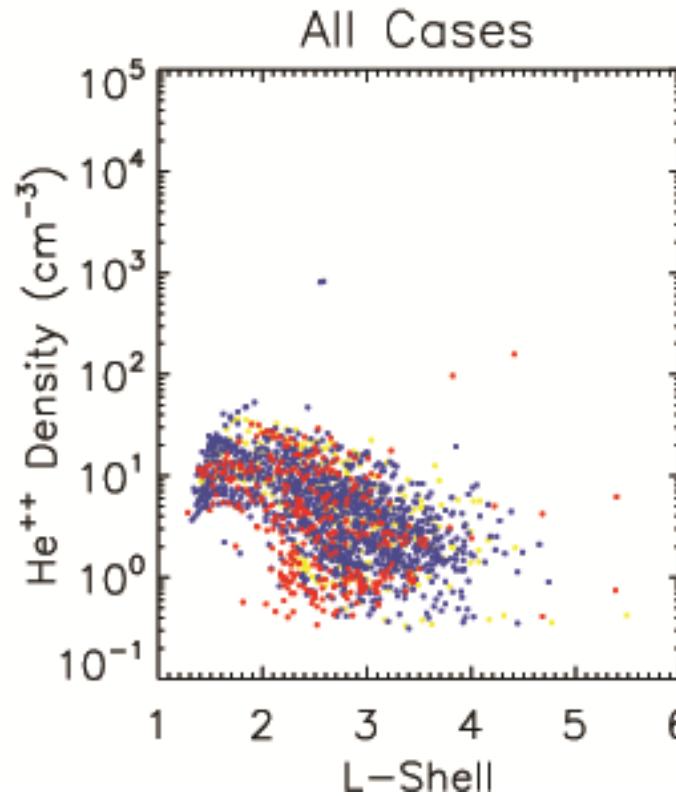
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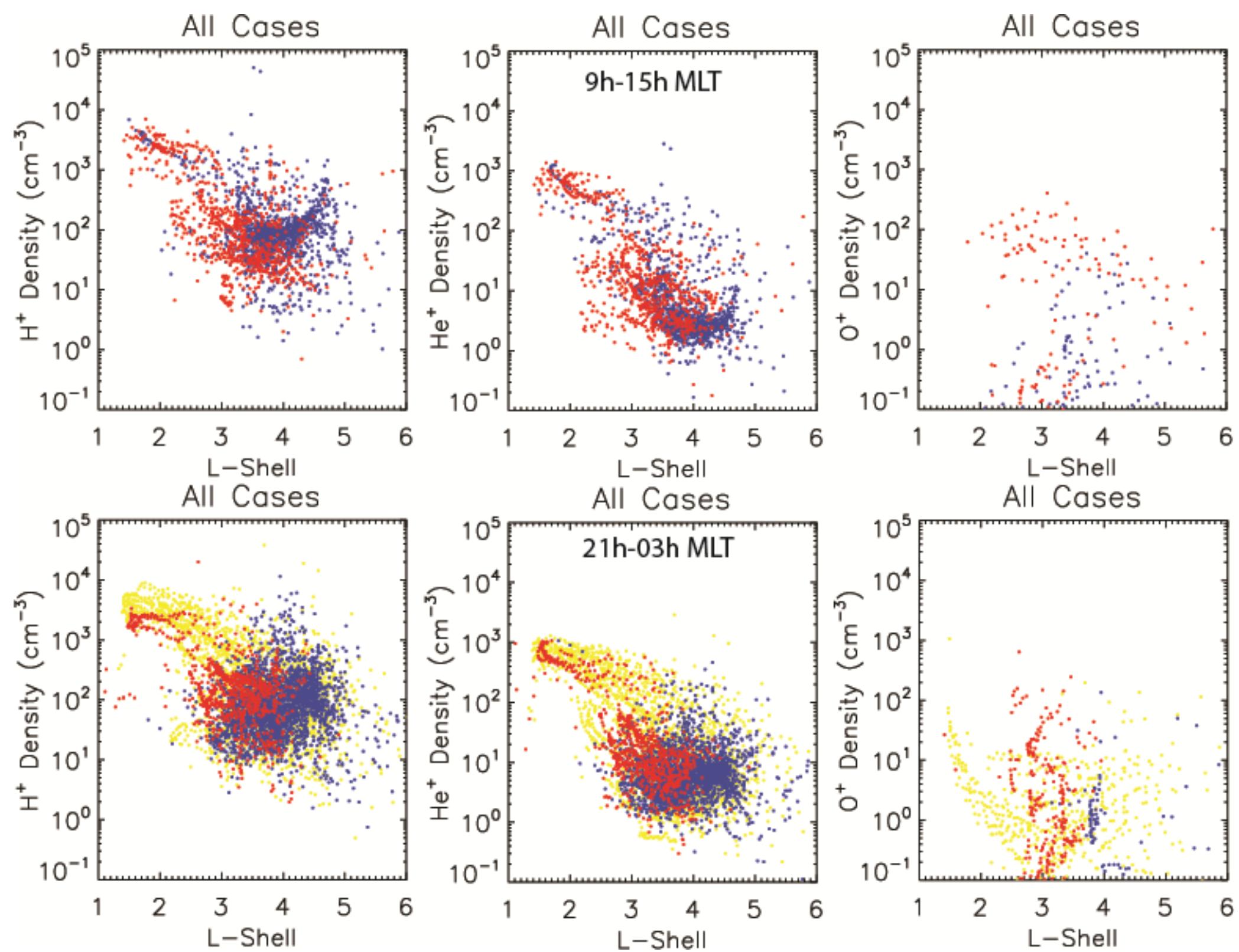


All Cases

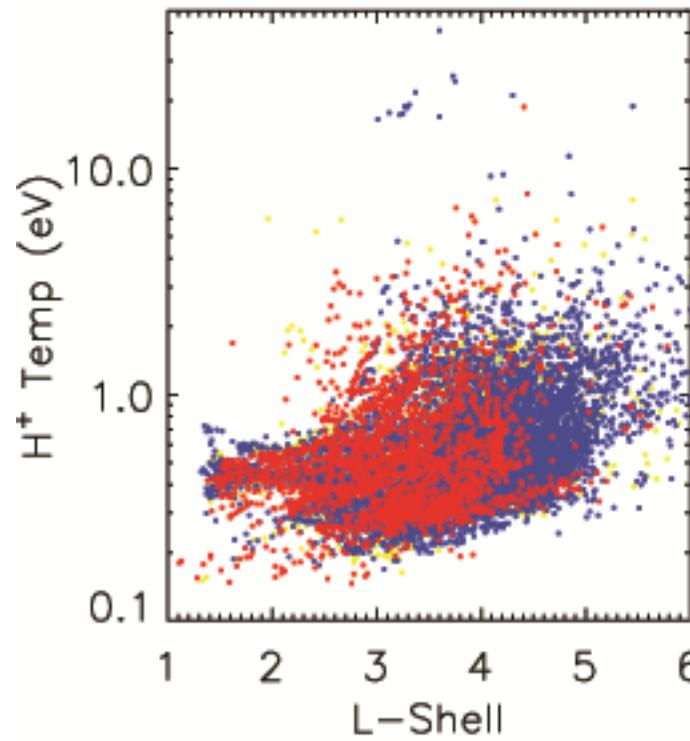


H^+ , He^+ , O^+ , He^{++} ,
 O^{++} Densities

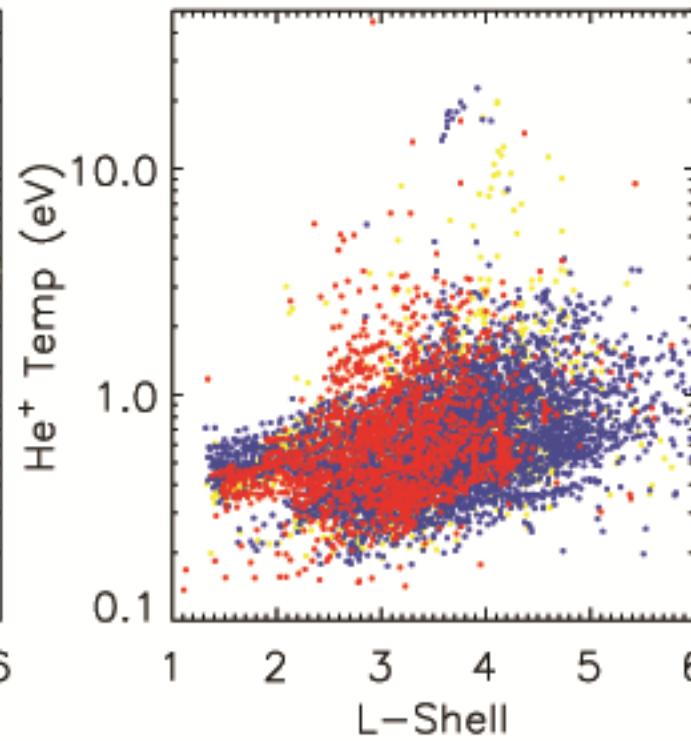




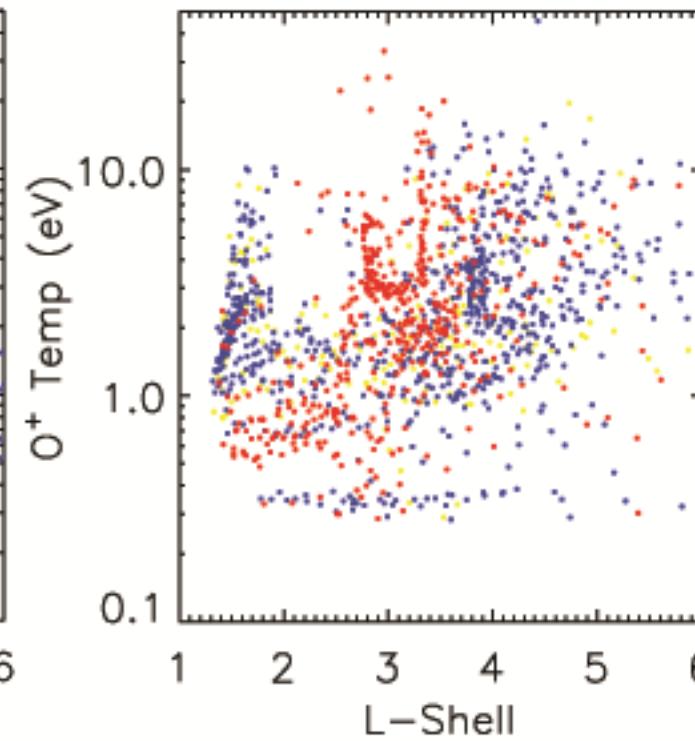
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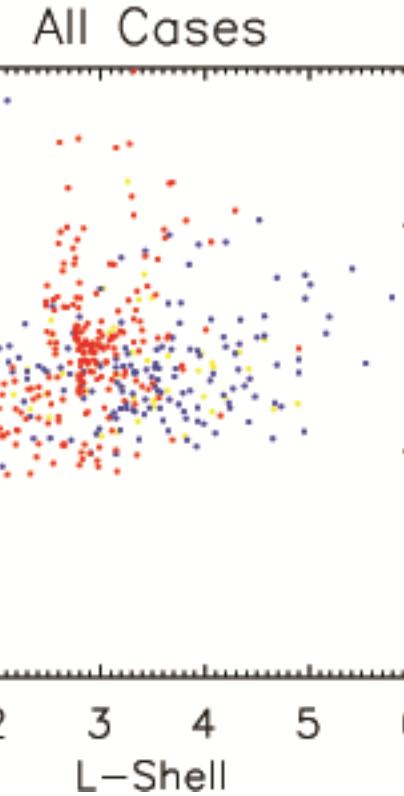
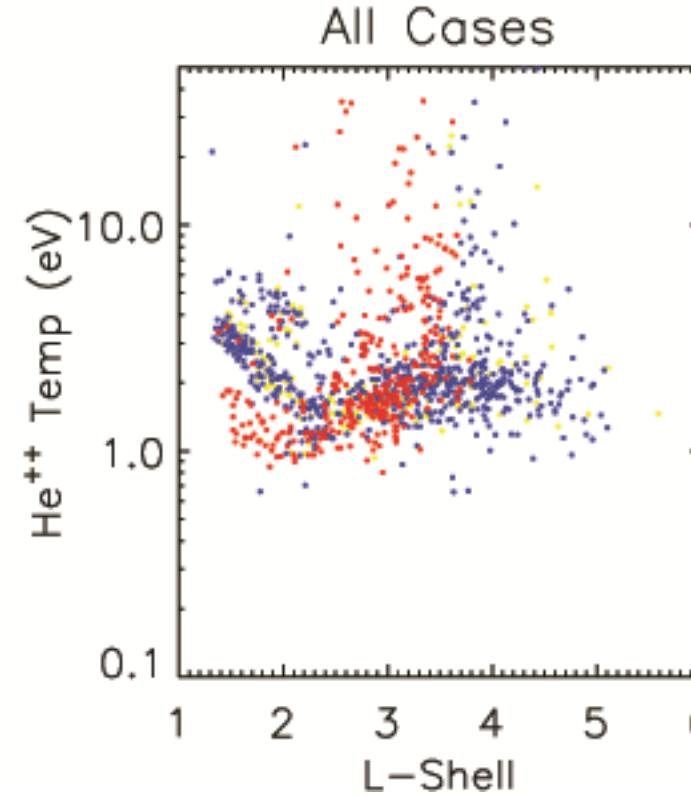
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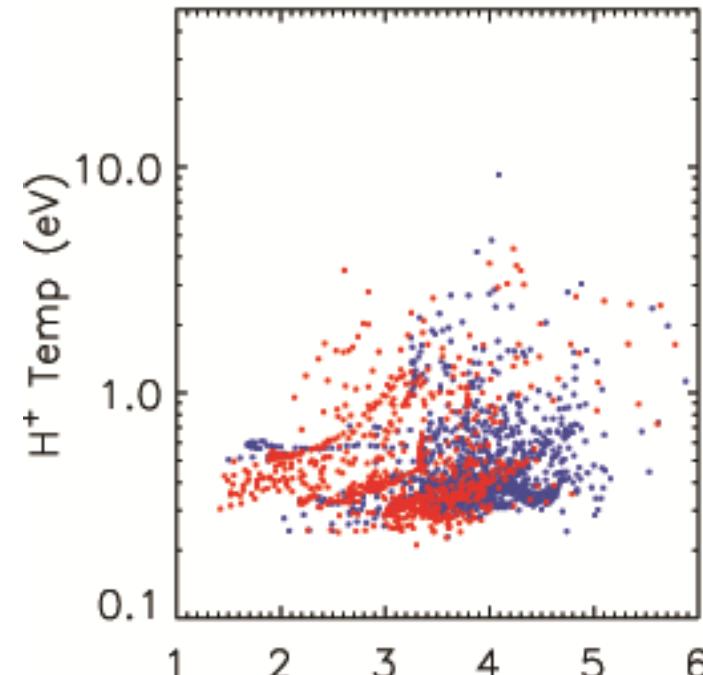
All Cases



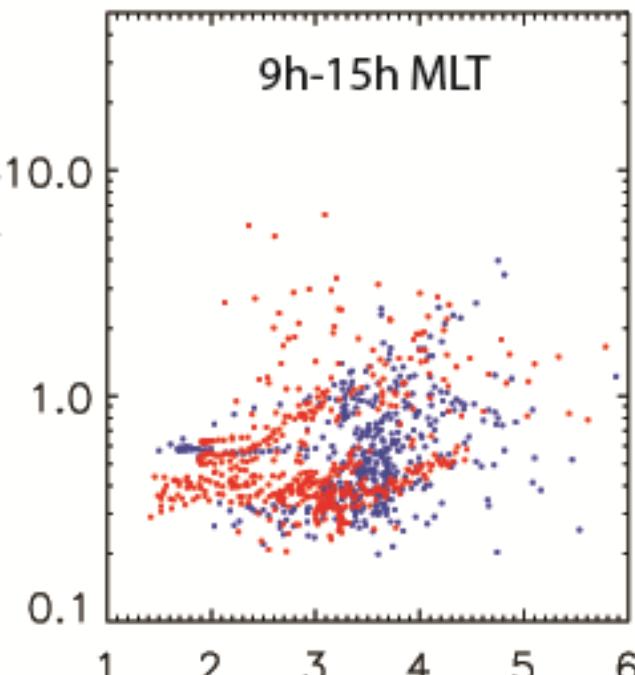
H^+ , He^+ , O^+ , He^{++} ,
 O^{++} Temperatures



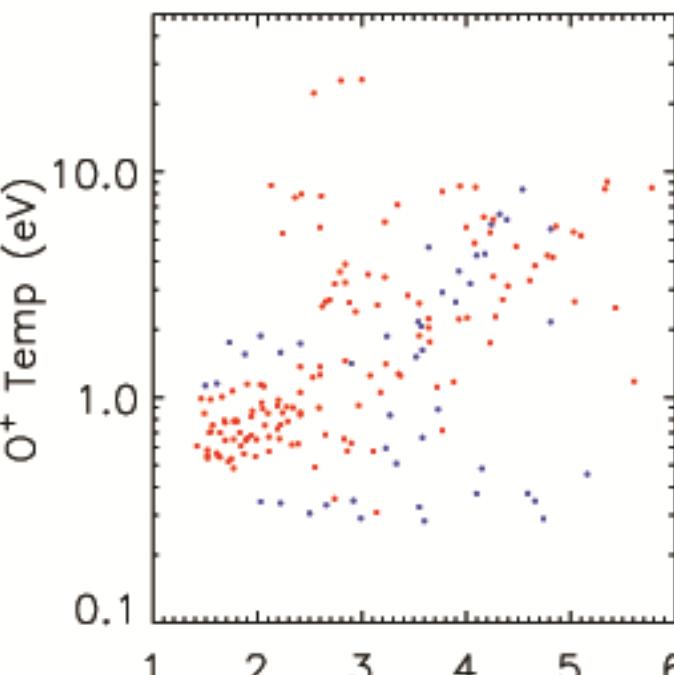
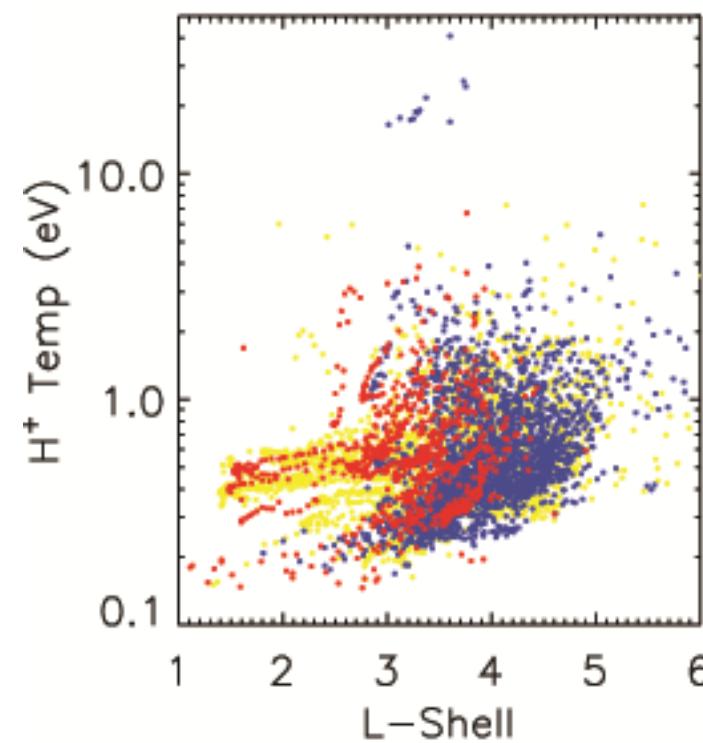
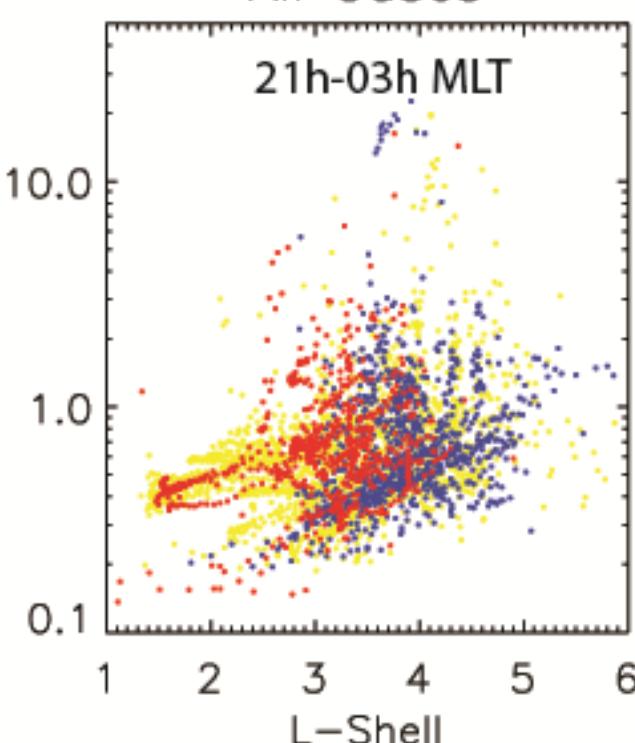
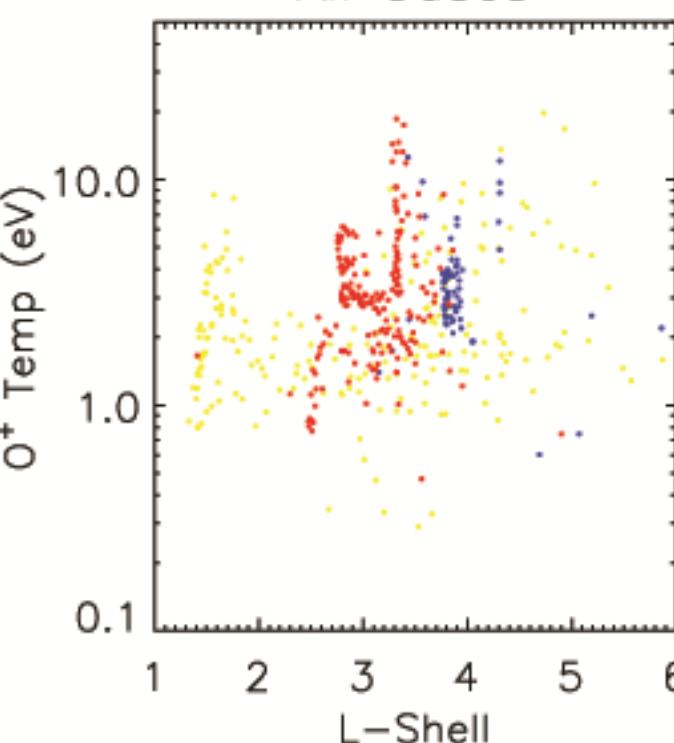
All Cases



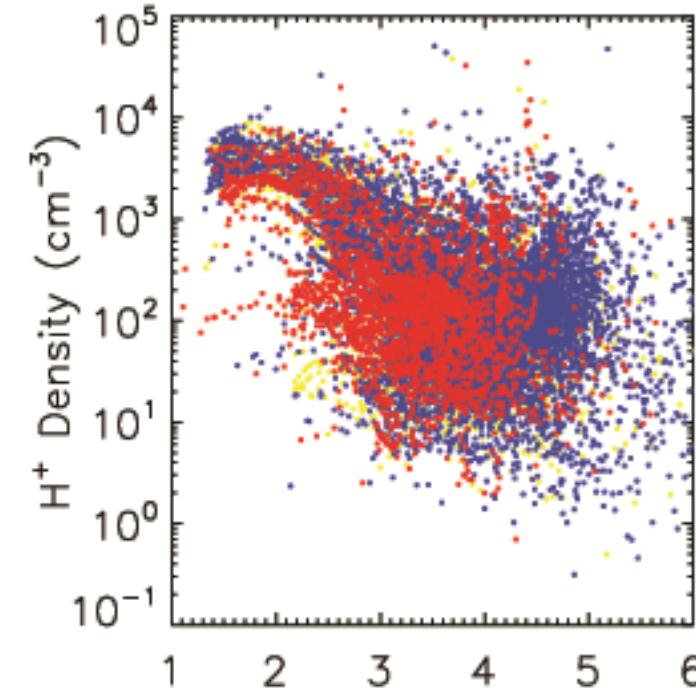
All Cases



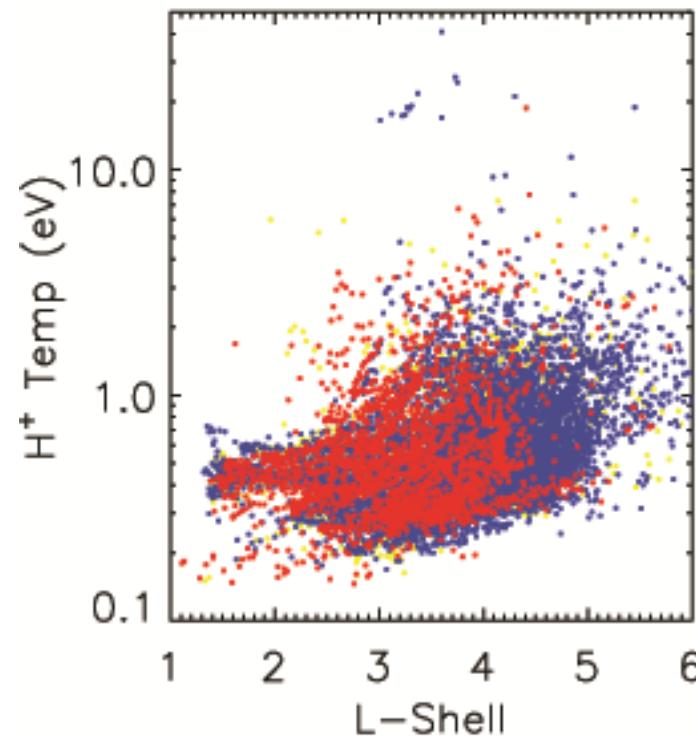
All Cases

L-Shell
All CasesL-Shell
All CasesL-Shell
All Cases

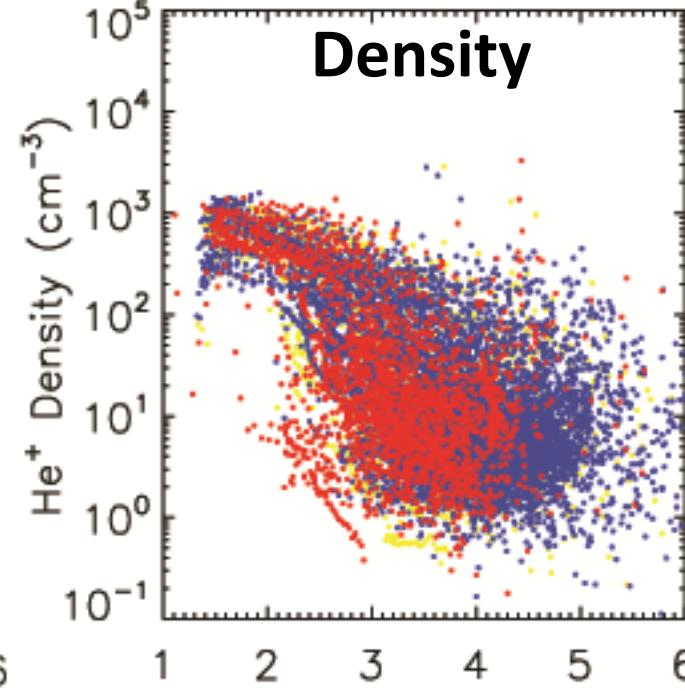
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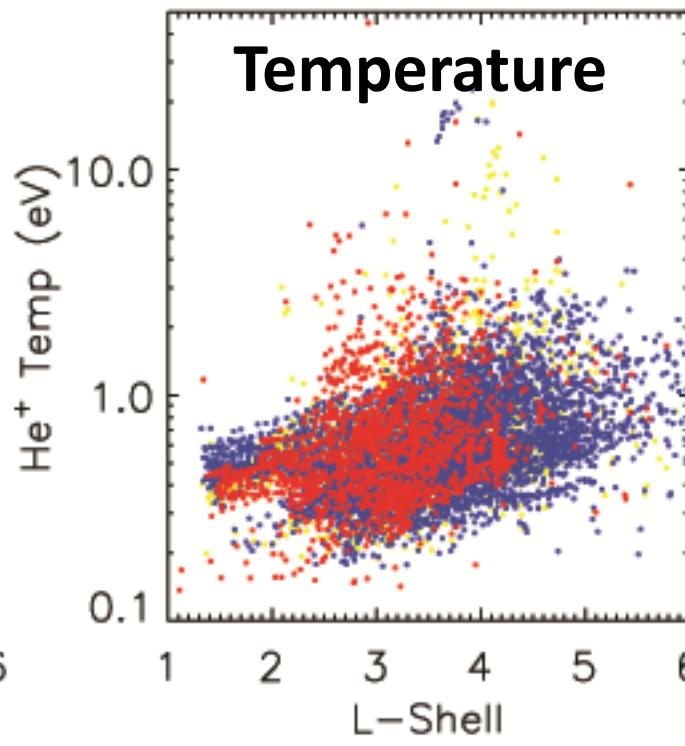
L-Shell
All Cases



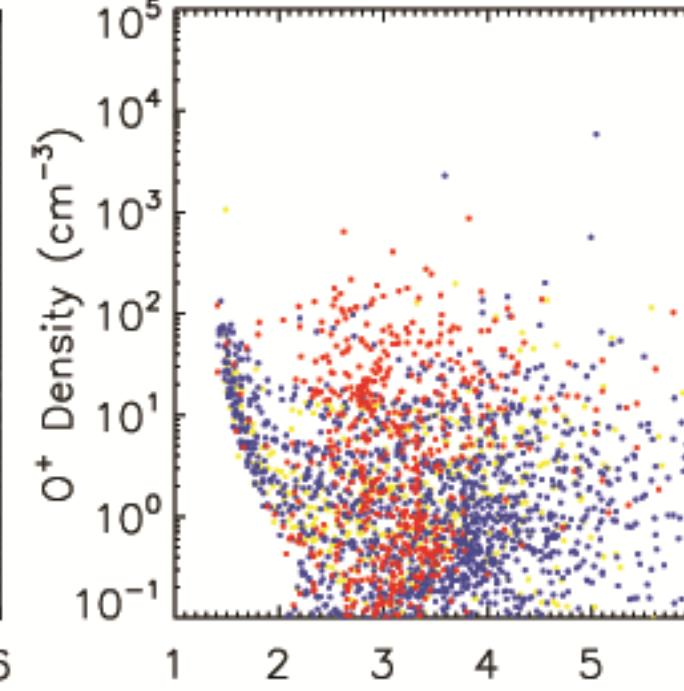
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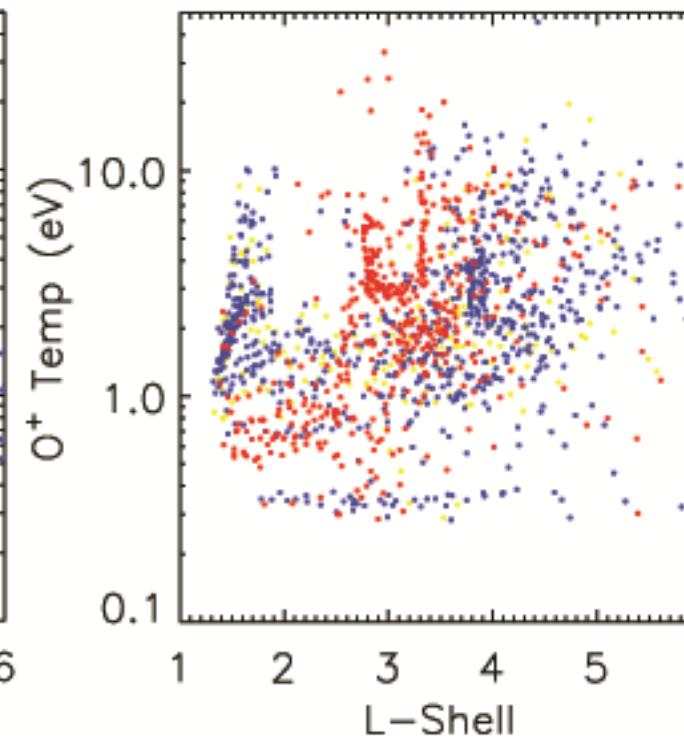
L-Shell
All Cases



All Cases

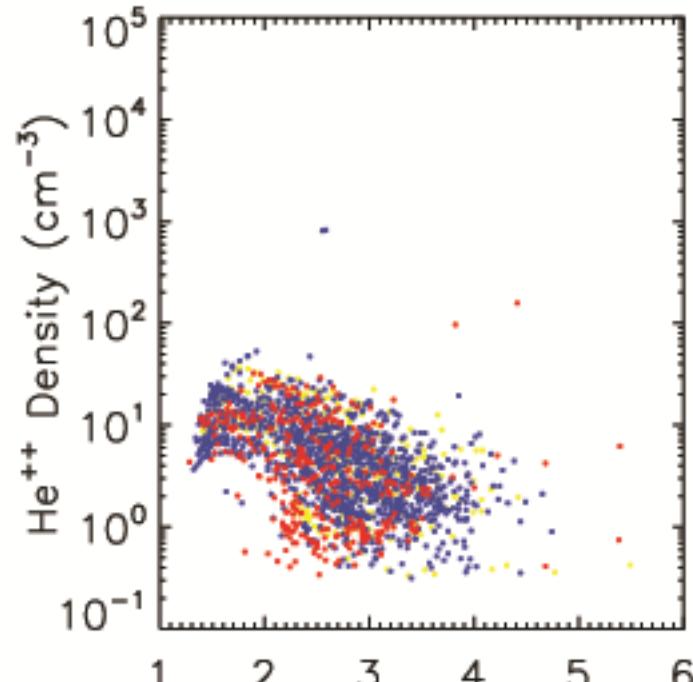


L-Shell
All Cases

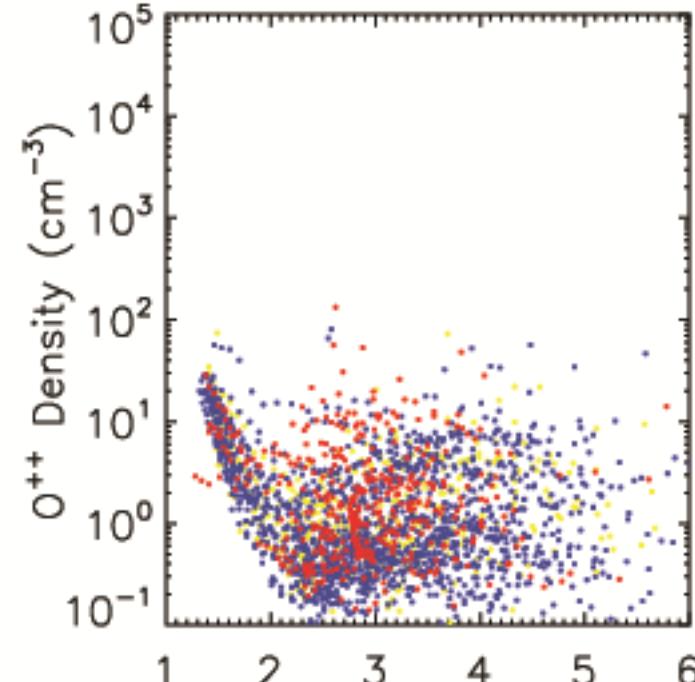


Density

All Cases

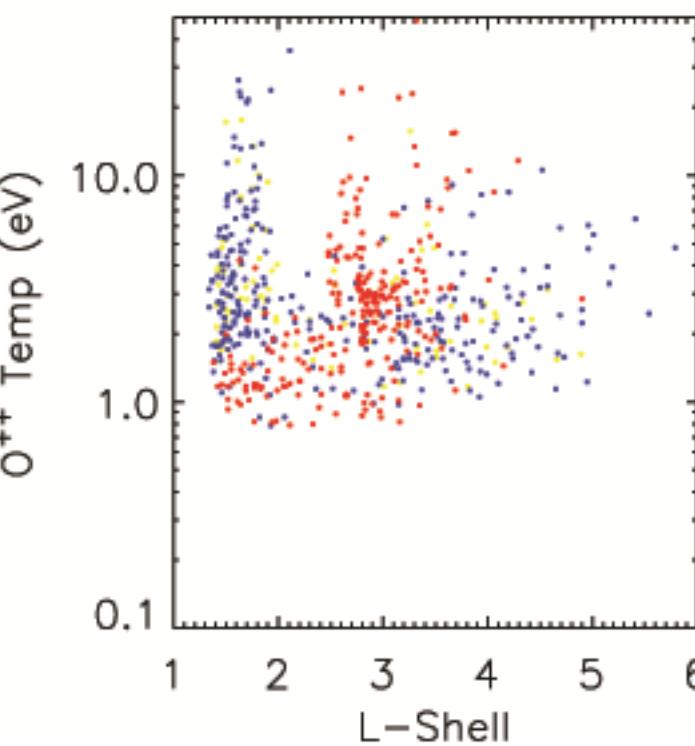
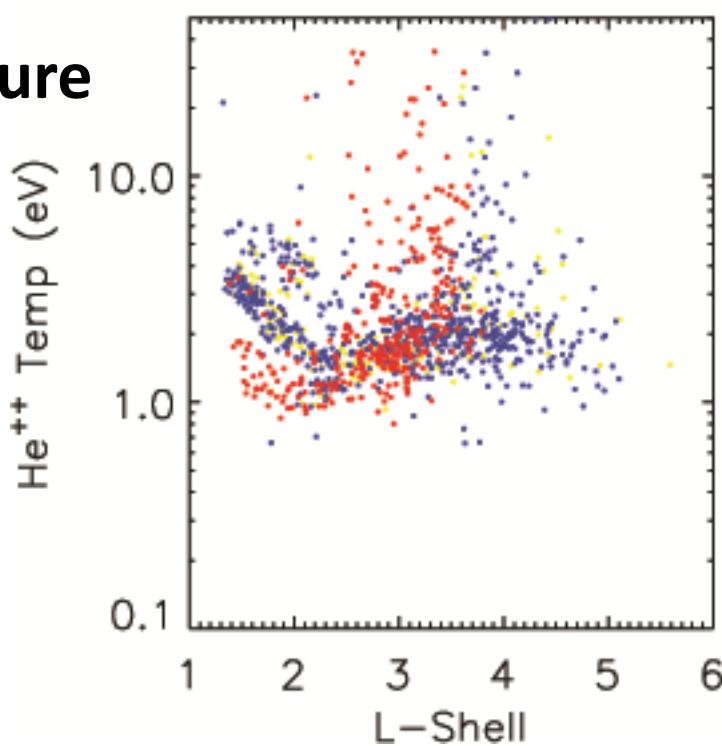


All Cases



Temperature

All Cases



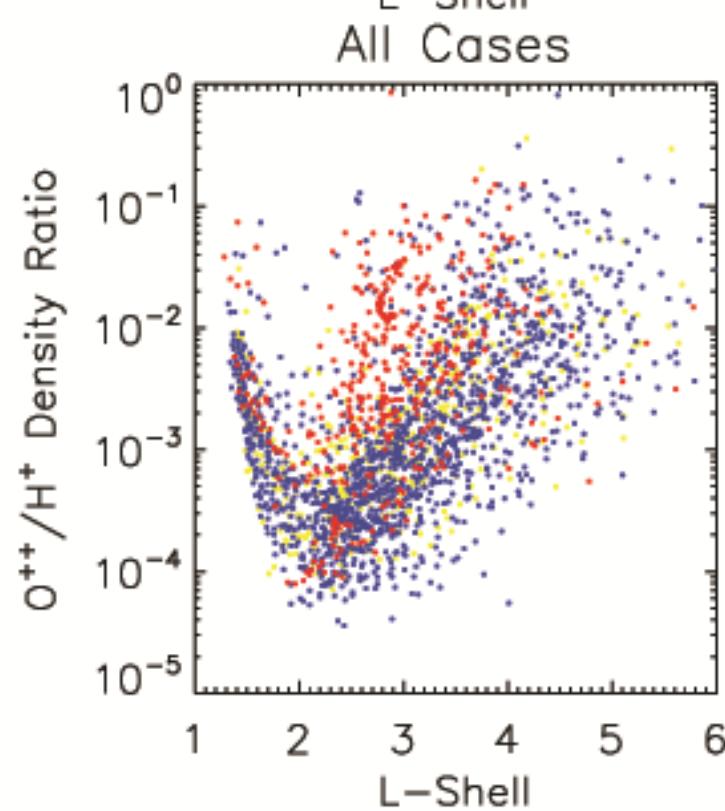
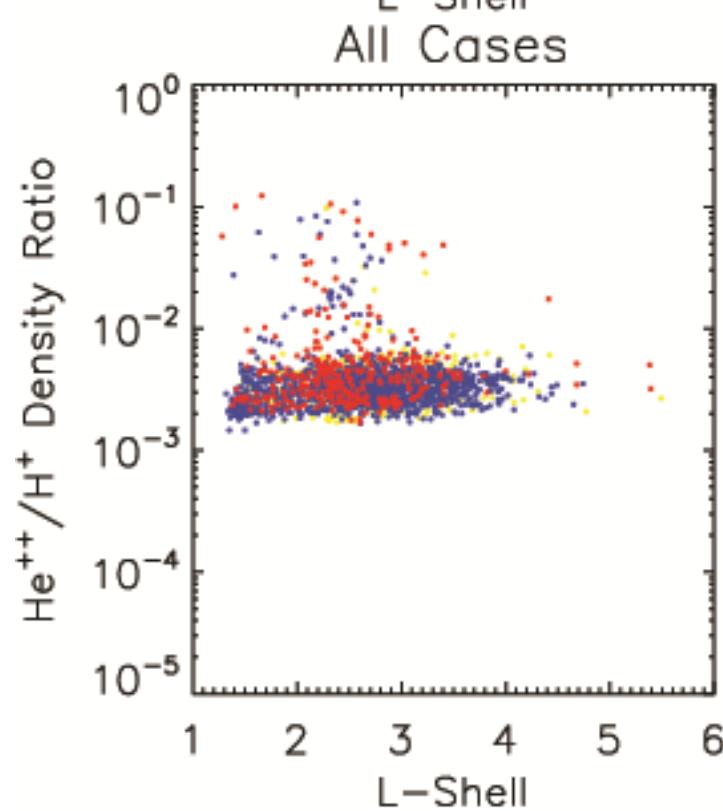
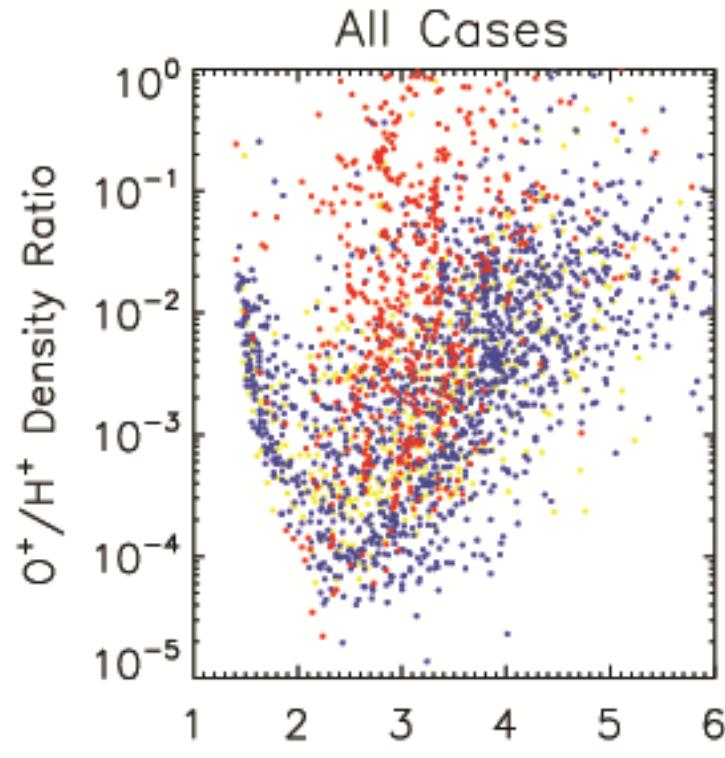
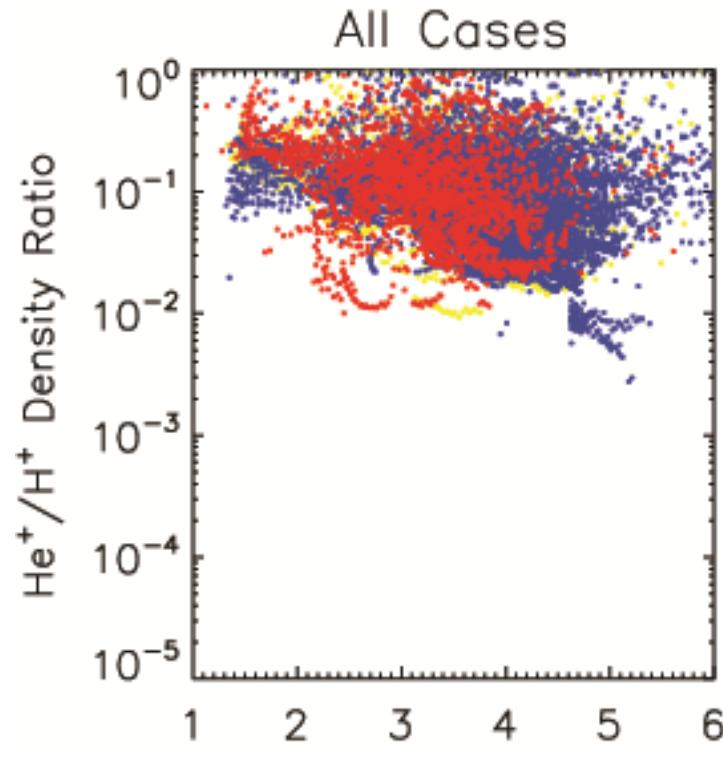
Density Ratios

He^+/H^+

$\text{He}^{++}/\text{H}^+$

O^+/H^+

O^{++}/H^+



Temperature Ratios

He^+/H^+

$\text{He}^{++}/\text{H}^+$

O^+/H^+

O^{++}/H^+

